

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Anthony (GIVEN NAME)	(MICOLE INITIAL OF NAME)	CERRONE FAMILY (OR LAST A
Inventor's signature		
	Country of Citizenshi	USA
	Road, New Haven, Connecticut (
	Kneeland Road, New Haven, Conn	
,		
		.
•		
Full name of second join	at inventor if any	
Edward	it inventor, it any	LAKATOC
(GIVEN NAME)	(MICOLE INITIAL OR NAME)	LAKATOS FAMILY (OR LAST I
Inventor's signature	Edward I. Lake	atos
Date 9-11-2000	Country of Citizenshi	USA
Residence 56 Ridgedale	Road, Bethel, Connecticut 0680	
	5 Ridgedale Road, Bethel, Conne	
		CLICIL SOSSI OUA
Full name of third inint :	mummhan M nau	•
Full name of third joint in	nventor, if any	
Michael (GIVEN NAME)	(MICOLE INITIAL OR NAME)	Gambini FAMILY OF DUST
Inventor's signature		
	Country of Citizenship	USA
Date		
Date	g Road, Monroe, Connecticut Of	3468 USA 🧲 🖊

(Declaration and Power of Attorney [1-1]—page 5 of 7)

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.
national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements—nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

INSTRUMENT	FOR M	10NITORING	POLYMERASE	CHAIN	REACTION	0F	DNA
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the specification of which:

	(complete (a), (b), or (c))
(a) (The state of the s
	*The following combinations of information supplied in an eath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of CFR 1.63:
	*/1) name of the

*(1) name of inventor(s), and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the cath or declaration

- *(2) name of inventor(s), and attorney docket number which was on the specification as filed;
- *(2) name of inventor(s), and title which was on the specification as filed.* Notice of July 13, 1995 (1177 O.G. 60).

(p)	was filed onor	, as 🗌 Serial No. 0 /
	and was amended on	(if applicable)

- NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
- NOTE: "The following combinations of information supplied in an cath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

*(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g.,08/123,456);

- *(2) name of inventor(s), serial number and filing date;
- *(3) name of inventor(s) and attorney docket number which was on the specification as filed;
- *(4) name of inventor(s), title which was on the specification as filed and filing date;
- *(S) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the oath or declaration; or
- *(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g.,08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the cath or declaration.*

Notice of July 13, 1995 (1177 O.G. 60).

(a) (V)

(4)	(A)	PCT/US99/11088	claimed in PCT Internationa , filed on <u>17 May 1999</u>	
		amended under PCT A	vticle 19 on	and a (if any).

(Ceclaration and Power of Attorney [1-1]—page 2 of 7)



DECLARATION (37 C.F.R. § 1.67(b))
(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the ☐ attached amendment
amendment filed on
was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.
PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the eath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filled in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filled after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filled except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner, or when specifically required by the examiner, in which event an English language translation must be filled together with a statement that the translation of the certified copy is accurate." 37 C.F.R.
I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.
(complete (d) or (e))
(d) I no such applications have been filed.
(e) 🗵 such applications have been filed as follows
NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney [1-1]—page 3 of 7)

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR T THIS APPLICATION = AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR	APRICATION	T		
INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 3	CLAIMED 7 USC 119
			☐ YES	NO 🗆
			☐ YES	ио □
			☐ YES	NO 🗆
			☐ YES	ио □
	·		☐ YES	ио □

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 085,765 60 / 092,784	16 May 1998
	14 July 1998
/	

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

	The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL. CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.
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ALL FORE APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US99/11088 filed 17 May 1999

110	Duovicional	A						
UŞ	Provisional	Application	No.	60/085.765	filed	16	Mav	1998
							,	1330

US Provisional Application No. 60/092,784 filed 14 July 1998

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Clarence A. Green (24,622) Mark F. Harrington (31,686) Janik Marcovici (42,841) (check the following	David Aker (29,277) og item, if applicable)
 I hereby appoint the practitioner(street) vided below to prosecute this at Patent and Trademark Office cor 	s) associated with the Customer Number pro- pplication and to transact all business in the nected therewith.
 Attached, as part of this declarati 	on and power of attomey, is the authorization (s) to accept and follow instructions from my
SEND CORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
Clarence A. Green PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06430	Clarence A. Green (203) 259-1800
Customer Number2512	<u> </u>

COMBINED DECLARATION AND POWER OF ATTORNEY

(UNIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
original.
☐ design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
Tational stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
divisional.
continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements—nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

	THRIKAMENT	FOR	MONITORING	POLYMERASE	CHAIN	REACTION	0F	DNA
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the specification of which:

(complete (a), (b), or (c))

(a)	is attached hereto.
NOTE	: "The following combinations of information supplied in an eath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and complian with any one of the items below will be accepted as complying with the identification requirement 37 CFR 1.63:
•	"(1) name of inventor(s), and reference to an attached specification which is both attache to the cath or declaration at the time of execution and submitted with the cath or declaration on filing;
	*(2) name of inventor(s), and attorney docket number which was on the specification as file or
	"(3) name of inventor(s), and title which was on the specification as filed." Notice of July 13, 1995 (1177 O.G. 60).
(b) (was filed on, as [] Serial No. 0 / or []
	and was amended on (if applicable).
NOTE:	Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involves are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. Set 37 CFR 1.67. "The following combinations of information supplied in an each or declaration filed after the filing date are acceptable as minimums for identifying a possification and or declaration filed after the filing date.
	below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and application number (consisting of the series code and the serial number, e.g.,08/123,456);
	"(2) name of inventor(s), serial number and filling date;
	*(3) name of inventor(s) and attorney docket number which was on the specification as filed.
	(*) name of inventor(s), title which was on the specification as filed and filing date:
	(a) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g.,08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the cath or declaration."
	Notice of July 13, 1995 (1177 O.G. 60).
(c) (X)	was described and claimed in PCT International Application No.
	amended under PCT Article 19 on (if any).

(Cectaration and Power of Attorney [1-1]—page 2 of 7)

PLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(0. 0.0.101/0))
(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the
attached amendment
amendment filed on
was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.
PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
NOTE: The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R.
I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.
(complete (d) or (e))
(d) no such applications have been filed.
(e) 🔀 such applications have been filed as follows.
NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.
(Declaration and Power of Attomey [1-1]—cage 3 of 7)

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION — AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)—(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITI	CLAIMED 7 USC 119
			☐ YES	NO 🗆
			☐ YES	МО □
			☐ YES	МО □
			☐ YES	ио □
	·		☐ YES	NO 🗆

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 085,765 60 / 092,784	16 May 1998
	14 July 1998
/	

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

	The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.
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APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US99/11088 filed 17 May 1999

US Provisional App	lication No. 60/085,765	filed 16 May 1998	
US Provisional App	lication No. 60/092,784	filed 14 July 1998	

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ACDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

		(iist name a	nd registration number)
Clarence A. Green Mark F. Harrington Janik Marcovici		(24,622) (31,686) (42,841)	David Aker (29,277)
		(check the fol	lowing item, if applicable)
	1.000 00:014	to brosecute t	oner(s) associated with the Customer Number pro his application and to transact all business in the e connected therewith.
	Attached		
u	of the above representative	-named bractiti	laration and power of attomey, is the authorization oner(s) to accept and follow instructions from m
	0. a.c 250ve	e(s).	DIRECT TELEPHONE CALLS TO
SEND COR	representative	e(s).	oner(s) to accept and follow instructions from m
SEND COR	representative RESPONDENCE Address . Green	e(s).	DIRECT TELEPHONE CALLS TO
SEND COR	representative RESPONDENCE Address . Green REEN, LLP	e(s).	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
SEND COR	representative RESPONDENCE Address . Green REEN, LLP	e(s).	DIRECT TELEPHONE CALLS TO: (Name and telephone number) Clarence A. Green

(Declaration and Power of Attorney [1-1]—page 5 of 7)

DECLARATION

I hereb are that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

decuments.	the family (or last) name, as it should appea	ar on the filing receipt and all o
Full name of sole or fi	rst inventor	
Anthony	L,	CERRONE
(GIVEN NAME)	(MICOLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Inventor's signature		1, 5 5, 135, 5,
	Country of Citizenship	USA
Residence <u>51 Kneelan</u>	d Road, New Haven, Connecticut US	Δ
Post Office Address	51 Kneeland Road, New Haven, Conne	cticut USA
Full name of second jo		
(GIVEN NAME)	J.	LAKATOS
ŕ	(MICCLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
nventor's signature		
Date	Country of Citizenship	USA
Residence <u>56 Ridgedal</u>	e Road, Bethel, Connecticut 06801	USA
	56 Ridgedale Road, Bethel, Connect	
Full name of third joint		
102 - 6 - 9	n	Gambini
Michael (GIVEN NAME)	A CONTRACTOR OF THE CONTRACTOR	
(GIVEN NAME)		FAMILY (OR LAST NAME)
(GIVEN NAME) nventor's signature		FAMILY (OR LAST NAME)
(diven name) nventor's signature Date	Country of Citizenship	FAMILY (OR LAST NAME) USA
(GIVEN NAME) nventor's signature Date Residence181_Josies		USA USA

(Ceclaration and Power of Attorney [1-1]—page 5 of 7]

	eck proper box(es) for any of the following deed page(s) that form a part of this declaration)
XX	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	• • •
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	• • •
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
	☐ Number of pages added
	• • •
	Authorization of practitioner(s) to accept and follow instructions from representative.

(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)

(Declaration and Power of Attorney [1-1]—page 7 of 7)

☐ This declaration ends with this page.

<u>~</u>	Signature for fourth and subsequent joint inventors. Number of pages added
	 -
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	• • •
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	• • •
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
	☐ Number of pages added
	• • •
	Authorization of practitioner(s) to accept and follow instructions from representative.
	• • •
	(if no further pages form a part of this Declaration,
t	then end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]—page 7 of 7)

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

	. dir ridiric or lodidi	joint inventor, if any	
	Eugene GIVEN NAME	<u>F.</u>	YOUNG
		MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)
	Inventor's signature	9	
	Date	Country of Citizenship US	1
	Residence 802 Balt	ooa Lane, Foster City, California 94404	USA
	Post Office Address .	802 Balboa Lane, Foster City, California	94404 USA
	Full name of fifth ioin		
	Full name of fifth join Susan	Atwood	
	GIVEN NAME	MIDDLE INTIAL OR NAME /	STONE ***
v) _	Inventor's signature	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FAMILY (OR LAST NAME)
			SA
	Posidores 31 Rittor	Coditaly of Glazeriship	
		rsweet Lane, Charlotte, Vermont 05445 US	
**	Most Office Address _	31 Bittersweet Lane, Charlotte, Vermont	05445 USA
`."	149 I implies Dood D	Estate of John G. Atwood - deceased -last	residing at
(20)	Country of Cit	edding, Connecticut 06896 izenship of John G. Atwood	USA
")	Full name of fifthjoint	t inventor, if any	004
•	Judith	_ K.	_Atwood ***
•	GIVEN NAME	MIDOLE INITIAL OR NAME	FAMILY (OF LAST NAME)
	Inventor's signature _		·
	Date	Country of Citizenship USA	
	Residence <u>149 Limeki</u>	In Road, Redding, Connecticut 06896	•
	Post Office Address 1	49 limekiln Poad Poddia Carrett . O	6896
. ***	149 Limekiln Road, Re	Estate of John G. Atwood - deceased - last dding, Connecticut 06896 izenship of John G. Atwood	residing at USA

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL

CONTINUATION, OR C-I-P)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
onginal.
☐ design.
☐ supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.
er national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DMSIGNAL CONTINUATION OR CH-P.
NOTE: See 37 C.F.R. § 1.63(c) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filled on behalf of the same or lewer of the inventors named in the prior application.
☐ divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements nonprevisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
fy residence, post office address and citizenship are as stated below, next to my name, believe that I am the original, first and sole inventor (if only one name is listed below) or no original, first and joint inventor (if plural names are listed below) of the subject matter lat is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

_	INSTRUMENT	FOR MO	DNITORING	POL YMERASE	CHAIN	REACTION	OF	, DNA
_								

(Cectaration and Power of Attorney (1-1)—page 1 of 7)

(Ceclaration and Power of Attorney [1-1]—cage 2 of 7]

the specimcation of which:

(complete (a), (b), or (c))

· (a)	is attached hereto.
. NO	The following combinations of information supplied in an eath or declaration filed on the application filling date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63;
	"(1) name of inventor(s), and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the cath or declaration on filing;
	(2) name of inventor(s), and attorney docket number which was on the specification as filed; or
	"(2) name of inventor(s), and tide which was on the specification as filed." Notice of July 13, 1995 (1177 O.G. 60).
(b). *	Was filed on
• •	cr 🗆, as 🖸 Serial No. 0 /
	and was attended on
	not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
NOTE:	The following combinations of information supplied in an each or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	number, e.g.,08/123, 456);
	(2) name of inventor(s), serial number and filing date;
	(d) name of inventor(s) and atterney docket number which was on the constitution
	of arrantor(s), the which was on the specification as filed and the
,	anached specification which is both attached to the cath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123, 456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the cath or declaration."
	Natice of July 13, 1995 (1177 O.G. 60).
(c) (X)	Was described
	PCT/US99/11088 filed on 17 May 1999 and as amended under PCT Article 19 on (if any).
	· · · · · · · · · · · · · · · · · · ·

(complete the following where a supplemental declaration is being submitted)

I hereby declare that the subject matter of the

attached amendment

amendment filed on _______

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
 - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))

NOTE: The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the cardied capy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner, or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the cardied copy is accurate.* 17 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) \(\square\) no such applications have been filed.
- (e) (I) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney (1-1)—page 3 of 7)

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)-

COUNTRY (OR	4001101	· · · · · · · · · · · · · · · · · · ·		• •
INDICATE IF	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 37	CLAIMED USC 119
			O YES	. ПОИ
		·	() YES	ио 🗆
-			C YES	ио 🗆
			C YES	ио 🗆
			☐ YES	NO []

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	
44	FILING DATE
60 / 085,765 60 / 092,784	_16 May 1998
//	14 July 1998
/	

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S). UNDER 35 U.S.C. 120

	The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL. CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.
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(Cectaration and Power of Attorney [1-1]—page 4 of 7]

N APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US99/11088 filed 17 May 1999

US Provisional Application No. 60/085,765 filed 16 May 1998

US Provisional Application No. 60/092,784 filed 14 July 1998

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

dist name and maistenia.

(not ries)		registration number)
Clarence A. Green Mark F. Harrington Janik Marcovici	(24,622) (31,686) (42,841)	David Aker (29,277)
	· · · · · · · · · · · · · · · · · · ·	ing item, if applicable)
☐ I hereby apportion of the low Patent and Times.	int the practitione to prosecute this	r(s) associated with the Customer Number pro application and to transact all business in the Innected therewith.
☐ Attached, as (part of this declara	tion and power of attorney, is the authorization r(s) to accept and follow instructions from m
SEND CORRESPONDENCE	то	DIRECT TELEPHONE CALLS TO:
☑ Address		(Name and telephone number)
Clarence A. Green PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06430	•	Clarence A. Green (203) 259-1800
☐ Customer Num	ber2512	<u> </u>

(Declaration and Power of Attorney [1-1]—page 5 of 7)

I here clare that all statements made herein of newn knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Anthony ·	st inventor	CERDONE
Anthony GREN NAME:	ל. (MICCLE INITIAL OR NAME)	CERRONE FAMILY FOR LAST NAME
Inventor's signature		
	Country of Citizenship	USA
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	l Kneeland Road, New Haven, Conne	
,	The state of the s	cerear OSM
 		
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Edward	•	LAKATOS
(GIVEN NAME)	(MICOLE INITIAL OR NAME)	FAMILY OR LAST NAME
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Makest		Gambini
Michael (OIVEN NAME)	(MICOLE INITIAL OR NAME)	
Michael poivex xxxep rventor's signature	(MICOLE INTIAL OR NAME)	FAMILY FOR LIST HIME
Michael priver rume rventor's signature	(MICOLE INTIAL OR NAME)	FAMILY FOR LAST HAME
nventor's signature	(MICOLE INITIAL OR NAME)	FAMILY FOR LAST NAME

(Ceclaration and Power of Attorney (1-1)—page 5 of 7

•	neck proper box(es) for any of the follow added page(s) that form a part of this declars 1)
83	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
:	• • •
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application. □ Number of pages added
	Authorization of practitioner(s) to accept and follow instructions from representative.
	• • •
th	(if no further pages form a part of this Declaration, en end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth jo	pint inventor, if any	
Eugene	F	YOUNG
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LUST MANE)
Inventor's signature		<u> </u>
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Post Office Address _	802 Balboa Lane, Foster City, Califo	rnia 94404 USA
• • •		,
Full name of fifth joint	inventor if any	
Susan	Atwood	STONE ***
GIVEN NAME	MIDOLE INITIAL OR NAME	FAMILY (OR LAST NAME)
Inventor's signature		
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	sweet Lane, Charlotte, Vermont 05445	USA
Post Office Address	31 Bittersweet Lane, Charlotte, Vermo	ont 05445 USA
• • •	Estate of John G. Atwood - deceased -	
	edding, Connecticut 06896 izenship of John G. Atwoo	
Full name of fifthjoint		
Judith	K. MIDDLE INITIAL OR NAME	Atwood ***
GIVEN NAME		FAMILY (OR LAST NAME)
	X- Judio to Atward	
Date X 11- 26-26	Country of Citizenship	JSA
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Co-Executrix for the	Estate of John G. Atwood - deceased -	-last residing at
	dding, Connecticut 06896 izenship of John G. Atwoo	d USA .